

**BIOGRAPHICAL SKETCH**

Give the following information for all new key personnel, consultants, and collaborators.  
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NAME <b>Uwe D. Staerz, M.D., Ph.D.</b>		POSITION TITLE <b>Assistant Professor</b>	
EDUCATION (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE	YEAR CONFERRED	FIELD OF STUDY
Eberhard-Karls-Universitat, Tuebingen West Germany	B.S. B.S. M.D.	1977 1979 1982	Premed Biochemistry Medicine
University of California, San Diego, CA	Ph.D.	1986	Biology

RESEARCH AND PROFESSIONAL EXPERIENCE: Concluding with present position, list, in chronological order, previous employment, experience, and honors. Key personnel include the principal investigator and any other individual who participate in the scientific development or execution of the project. Key personnel typically will include all individuals with doctoral or other professional degrees but in some projects will include individuals at the masters or baccalaureate level provided they contribute in a substantive way to the scientific development or execution of the project. Include present membership on any Federal Government public advisory committee. List, in chronological order, the titles, all authors, and complete references to all publications during the past three years and to representative earlier publications pertinent to this application. DO NOT EXCEED TWO PAGES.

**RESEARCH & PROFESSIONAL EXPERIENCE:**

- 1990-present Assistant Professor, Department of Microbiology and Immunology, and The Cancer Center, University of Colorado Health Sciences Center, Denver, Co
- 1989-present Assistant Faculty Member, Department of Medicine, National Jewish Center for Immunology and Respiratory Medicine, Denver, CO
- 1986-1989 Member, Basel Institute for Immunology, Basel Switzerland
- 1983-1986 Research Fellow, Department of Immunology, Scripps Clinic and Research Foundation, La Jolla, CA
- 1982-1982 Medical Resident in Clinical Pathology, Laboratory P. Schulz, M.D., Ludwigsburg, West-Germany
- 1981-1982 Medical Intern, Reutlingen County Hospital of the Eberhard-Karls-Universitat, Reutlingen, West-Germany
- Review Boards Member Special Review Committee NIH: Program Project on New Methods of Immune Intervention

**HONORS:**

- 1982-1983 Fellow, Deutscher Akademischer Austauschdienst (DAAD)
- 1975-1982 Fellow, Studienstiftung des Deutschen Volkes

**PUBLICATIONS:** (out of a total of 30):

1. Staerz, U.D., Pasternack, M.S., Klein, J.R., Benedetto, J.D. and Bevan, M.J. 1984. Monoclonal antibodies specific for a murine cytotoxic T-lymphocyte clone. Proc. Natl. Acad. Sci. USA 81:1799.
2. Fink, P.J., Rammensee, H.-G., Benedetto, J.D., Staerz, U.D., Lefrancois, L. and Bevan, M.J. 1984. Studies on the mechanism of suppression of primary cytotoxic responses by cloned cytotoxic T lymphocytes. J. Immunol. 133:1769.
3. Staerz, U.D., Kanagawa, O. and Bevan, M.J. 1985. Hybrid antibodies can target sites for attack by T cells. Nature 314:628.
4. Staerz, U.D., Rammensee, H.-G., Benedetto, J. and Bevan, M.J. 1985. Characterization of a murine monoclonal antibody specific for an allotypic determinant on T cell antigen receptor. J. Immunol. 134:3994.
5. Staerz, U.D. and Bevan, M.J. 1985. An allotypic determinant on the murine T cell receptor. In: Molecular Biology of the Immune System. J.W. Steilein, F. Ahmad, S. Black, B. Blomberg, and R.W. Voellmy, eds. Cambridge University Press, Cambridge, p. 61.
6. Crispe, I.N., Bevan, M.J. and Staerz, U.D. 1985. Selective activation of Lyt2<sup>+</sup> precursor T cells by ligation of the antigen receptor. Nature 317:627.
7. Staerz, U.D. and Bevan, M.J. 1985. Cytotoxic T lymphocyte-mediated lysis via the Fc receptor of target cells. Eur. J. Immunol. 15:1172.

8. Staerz, U.D. and Bevan, M.J. 1985. Use of heteroconjugates of antibodies to focus T cells to act at chosen sites. In: *Proceedings of UCLA Symposia*, Alan R. Liss, Inc., N.Y.
9. Staerz, U.D. and Bevan, M.J. 1986. Targeting cell attack by cytotoxic T lymphocytes using heteroconjugates of monoclonal antibodies. In: *Proceedings of the 38th Annual Symposium on Cancer Research. "Immunology and Cancer"*. The University of Texas Press, Houston, 38:81.
10. Staerz, U.D. and Bevan, M.J. 1986. Activation of resting T lymphocytes by a monoclonal antibody directed against an allotypic determinant on the T cell receptor. *Eur. J. Immunol.* 16:263.
11. Staerz, U.D. and Bevan, M.J. 1986. The use of antibodies directed against the T cell receptor to focus the effector activities of T cells. In: *Mechanisms of Host Resistance to Infectious Agents, Tumors and Allografts*. The Rockefeller University Press, New York. p. 412.
12. Staerz, U.D. and Bevan, M.J. 1986. Hybrid hybridoma producing a bispecific monoclonal antibody which can focus effector T cell activity. *Proc. Natl. Acad. Sci. USA* 83:1453.
13. Staerz, U.D., Lefrancois, L. and Bevan, M.J. 1986. Targeting for T lymphocyte-mediated lysis by hybrid antibodies. In: *Cytolytic Lymphocytes and Complement*. CRC Press, Inc., Boca Raton. In press.
14. Staerz, U.D. and Bevan, M.J. 1986. Use of anti-receptor antibodies to focus T cell activity. *Immunology Today*. 7:185.
15. Staerz, U.D., Yewdell, J.W. and Bevan, M.J. 1987. Hybrid antibody mediated lysis of virus infected cells. *Eur. J. Immunol.* 17:571.
16. Carbone, F.R., Staerz, U.D. and Paterson, Y. 1987. A new helper cell specificity within the pigeon cytochrome c determinant 95:104. *Eur. J. Immunol.* 17:897.
17. Lanzavecchia, A. and Staerz, U.D. 1987. Lysis of non-nucleated red blood cells by cytotoxic T lymphocytes. *Eur. J. Immunol.* 17:1073.
18. Staerz, U.D., Karasuyama, H. and Garner, A.E. 1987. Cytotoxic T lymphocytes against a soluble protein. *Nature*. 329:449.
19. Staerz, U.D. and Bevan, M.J. 1988. Redirecting the Cytolytic Response. *International Reviews of Immunology*. In press.
20. Kappler, J.W., Staerz, U.D., White, J. and Marrack, P.C. 1988. T cell receptor V $\beta$  elements which recognize MLS-modified products of the major histocompatibility complex. *Nature*. 332:35.
21. Kisielow, P., Blüthmann, H., Staerz, U.D., Steinmetz, M. and von Boehmer, H. 1988. The mechanisms of self tolerance in T cell receptor transgenic mice. *Nature*. 333:742.
22. von Boehmer, H., Blüthmann, H., Staerz, U.D., Steinmetz, M. and Kisielow, P. 1988. Developmental biology of T lymphocytes. Deletion of autoreactive T cells and impact of the  $\alpha$ ,  $\beta$ -receptor on the CD4/CD8 phenotype. In: *Molecular Basis of the Immune Response*, C.A. Bona, ed.; Annals of the New York Academy of Sciences, 546:104.
23. Staerz, U.D. 1988. Targeting for lysis by CTL. In: *Human tumor antigens and specific tumor therapy*, UCLA Symposia on Molecular and Cellular Biology, New Series, Volume 99, R. Metzgar and M. Mitchell, eds.; Alan R. Liss, Inc., New York.
24. Zepp, F. and Staerz, U.D. 1988. Hybrid antibodies induce selection processes in the thymus. *Nature*. 336:474.
25. Staerz, U.D., Zepp, F., Schmid, R., Hill, M. and Rothbard, J. 1989. Recruitment of alloreactive cytotoxic T lymphocytes by an antigenic peptide. *Eur. J. Immunol.* 19:2191-2196.
26. Debrick, J.E., Campbell, P.A. and Staerz, U.D. 1991. Macrophages as accessory cells for class I MHC restricted immune responses. *J. Immunol.*, 147:2846.
27. Chen, U., Kosco, M. and Staerz, U.D. 1992. Establishment and characterization of lymphoid and myeloid mixed-cell populations from mouse late embryoid boidies, "embryonic-stem-cell fetuses". *Proc. Natl. Acad. Sci. USA*. 89:2541.
28. Kummer, U., and Staerz, U.D. 1992. Concepts of antibody-mediated cancer therapy. *Cancer Invest.*, in press.
29. Zepp, F. and Staerz, U.D. 1992. Monoklonale Hybrid-Antikoerper: Neue Perspektiven fuer Grundlagenforschung und Tumorthherapie. *Monatsschrift fuer Kinderheilkunde*, in press.
30. Kummer, U. and Staerz, U.D. 1992. "Second signal" requirements for clonal deletion in the thymus. Submitted.